ELSEVIER

Journal of Computational and Applied Mathematics 99 (1998) 535–536

JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS

Author Index Volume 99 (1998)

Acosta, F.P. and **J.M.A. Picazo,** Comparison of inequalities for the minimax series via Tchebychev polynomials 319–325
Alfaro, M., M.J. Cantero and **L. Moral,** Semiorthogonal functions and orthogonal polynomials on the unit circle 3– 14
Alpay, D., A structure theorem for reproducing kernel Pontryagin spaces 413–422
Álvarez-Nodarse, R., Second order difference equations for certain families of 'discrete' polynomials 37– 45
Aptekarev, A.I., Multiple orthogonal polynomials 423–447
Area, I., see **Godoy, E.** 177–187
Area, I., see **Ronveaux, A.** 327–335
Artés, P.L., J.S. Dehesa, A. Martínez-Finkelshtein and **J. Sánchez-Ruiz,** Linearization and connection coefficients for hypergeometric-type polynomials 15– 26
Atakishiyev, N.M., see **Atakishiyeva, M.K.** 27– 35
Atakishiyeva, M.K., N.M. Atakishiyev and **C. Villegas-Blas,** On the square integrability of the q-Hermite functions 27– 35

Berg, C., On some indeterminate moment problems for measures on a geometric progression 67– 75
Bosbach, C. and **W. Gawronski,** Strong asymptotics for Laguerre polynomials with varying weights 77– 89

Cantero, M.J., see **Alfaro, M.** 3– 14
Cheikh, Y.B., Decomposition of Laguerre polynomials with respect to the cyclic group of order n 55– 66
Coolen-Schrijner, P. and **E.A. van Doorn,** Analysis of random walks using orthogonal polynomials 387–399
Cortés, J.C., see **Jódar, L.** 205–217

Damelin, S.B., A characterization of smoothness for Freud weights 463–473
Danković, B., see **Milovanović, G.V.** 299–310
de la Calle Ysern, B. and **G.L. Lagomasino,** Strong asymptotics of orthogonal polynomials with varying measures and Hermite–Padé approximants 91–103
Defez, E. and **L. Jódar,** Some applications of the Hermite matrix polynomials series expansions 105–117
Dehesa, J.S., see **Artés, P.L.** 15– 26

Ehrich, S., On orthogonal polynomials for certain nondefinite linear functionals 119–128
Ehrich, S. and **G. Mastroianni,** Marcinkiewicz inequalities based on Stieltjes zeros 129–141

Foupouagnigni, M., M.N. Hounkonnou and **A. Ronveaux,** Laguerre–Freud equations for the recurrence coefficients of D_ω semi-classical orthogonal polynomials of class one 143–154

Gawronski, W., see **Bosbach, C.** 77– 89
Gilewicz, J. and **M. Pindor,** Padé-type approximants and errors of Padé approximants 155–165
Giordano, C., A. Laforgia and **J. Pečarić,** Unified treatment of Gautschi–Kershaw type inequalities for the gamma function 167–175
Godoy, E., see **Ronveaux, A.** 327–335
Godoy, E., A. Ronveaux, A. Zarzo and **I. Area,** Connection problems for polynomial solutions of nonhomogeneous differential and difference equations 177–187
Grünbaum, F.A., Variations on a theme of Heine and Stieltjes: an electrostatic interpretation of the zeros of certain polynomials 189–194
Guadalupe, J.J., see **Hernández, M.B.** 47– 53

Hernández, M.B., F.C. Rodríguez, J.J. Guadalupe and **G.L. Lagomasino,** Convergence rate of Padé-type approximants for Stieltjes functions 47– 53
Hounkonnou, M.N., see **Foupouagnigni, M.** 143–154

Illán, J., Piecewise rational approximation to continuous functions with characteristic singularities 195–203

Jódar, L. and **J.C. Cortés,** On the hypergeometric matrix function 205–217
Jódar, L., see **Defez, E.** 105–117
Jung, H.S. and **K.H. Kwon,** Mean convergence of Hermite–Fejér and Hermite interpolation for Freud weights 219–238

Kiesel, H., see **Wimp, J.** 401–412
Kim, Y.J., K.H. Kwon and **J.K. Lee,** Partial differential equations having orthogonal polynomial solutions 239–253

Elsevier Science B.V.

Koornwinder, T.H., Identities of nonterminating series by Zeilberger's algorithm 449–461
Kuijlaars, A.B.J. and **E.A. Rakhmanov**, Zero distributions for discrete orthogonal polynomials 255–274
Kwon, K.H., see **Kim, Y.J.** 239–253
Kwon, K.H., see **Jung, H.S.** 219–238

Laforgia, A., see **Giordano, C.** 167–175
Lagomasino, G.L., see **Hernández, M.B.** 47– 53
Lagomasino, G.L., see **de la Calle Ysern, B.** 91–103
Lee, J.K., see **Kim, Y.J.** 239–253
Levin, A.L. and **D.S. Lubinsky**, Bounds for orthogonal polynomials for exponential weights 475–490
Lewandowski, Z. and **J. Szynal**, An upper bound for the Laguerre polynomials 529–533
Lewanowicz, S., Recurrence relations for the connection coefficients of orthogonal polynomials of a discrete variable on the lattice $x(s) = q^{2s}$ 275–286
Lindlbauer, M., On the rate of convergence of the laws of Markov chains associated with orthogonal polynomials 287–297
Lubinsky, D.S., see **Levin, A.L.** 475–490

Martínez-Finkelshtein, A., see **Artés, P.L.** 15– 26
Martínez-Finkelshtein, A., Asymptotic properties of Sobolev orthogonal polynomials 491–510
Mastroianni, G., see **Ehrich, S.** 129–141
Milovanović, G.V., B. Danković and **S.Lj. Rančić**, Some Müntz orthogonal systems 299–310
Moral, L., see **Alfaro, M.** 3– 14

Njåstad, O., Nevanlinna matrices for the strong Stieltjes moment problem 311–318

Pečarić, J., see **Giordano, C.** 167–175
Picazo, J.M.A., see **Acosta, F.P.** 319–325
Pindor, M., see **Gilewicz, J.** 155–165

Rakhmanov, E.A., see **Kuijlaars, A.B.J.** 255–274
Rančić, S.Lj., see **Milovanović, G.V.** 299–310
Rodríguez, F.C., see **Hernández, M.B.** 47– 53
Ronveaux, A., see **Godoy, E.** 177–187
Ronveaux, A., see **Foupouagnigni, M.** 143–154
Ronveaux, A., A. Zarzo, I. Area and **E. Godoy**, Transverse limits in the Askey tableau 327–335
Rösler, M. and **M. Voit**, Biorthogonal polynomials associated with reflection groups and a formula of Macdonald 337–351

Sánchez-Ruiz, J., see **Artés, P.L.** 15– 26
Schoutens, W., Lévy-Sheffer and IID-Sheffer polynomials with applications to stochastic integrals 365–372
Sifi, M., Generalized wavelet packet associated with Laguerre functions 353–364
Stahl, H., Spurious poles in Padé approximation 511–527
Szynal, J., see **Lewandowski, Z.** 529–533

Totik, V., Orthogonal polynomials with respect to varying weights 373–385

van Doorn, E.A., see **Coolen-Schrijner, P.** 387–399
Villegas-Blas, C., see **Atakishiyeva, M.K.** 27– 35
Voit, M., see **Rösler, M.** 337–351

Wimp, J. and **H. Kiesel**, Some properties of the Sobolev–Laguerre polynomials 401–412

Zarzo, A., see **Godoy, E.** 177–187
Zarzo, A., see **Ronveaux, A.** 327–335